Application/Control No.

10/627,311

Examiner

Suzanne M. Mayer, Ph.D.

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Reexamination
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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-5,968,764	10-1999	Knowles et al.	435/24
	В	US-			
	С	US-			
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	BAROS O et al., "Transcytosis-associated protein (TAP)/p115 is a general fusion factor required for binding of vesicles to acceptor membranes", Proc. Natl. Acad. Sci. USA. 1995 Jan 17; 92(2):527-531.
	V	BASTIAENS et al., "Fluorescence lifetime imaging microscopy: spatial resolution of biochemical processes in the cell", Trends Cell Biol. Feb 1999; 9(2):48-52.
	W	CURRAN et al., "Nonprimate lentiviral vectors" Curr Top Miscrobiol Immunol. 2002; 261:75-105.
	х	Elazar et al., "ADP-ribosylation factor and coatomer couple fusion to vesicle budding" J Cell Biol. Feb 1994; 124(4):415-424.

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FOREIGN PATENT DOCUMENTS

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	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Fischer A., "Gene therapy: Some results, many problems to solve" Cell Mol Biol. Dec 2001; 47(8):1269-1275.
	V	Hemminki A., "From molecular changes to customised therapy" Eur J Cancer. Feb 2002; 38(3): 333-338.
	w	Henriksen E.J., "Invtied review: Effects of acute exercise and exercise training on insulin resistance" J Appl Physiol. Aug 2002; 93(2):788-796.
	х	Herman et al., "A distinct class of intracellular storage vesicles, identified by expression of the glucose transporter GLUT4" Proc Natl Acad Sci USA. 20 Dec 1994; 91(26):12750-12754.

Application/Control No.	Applicant(s)/Patent Under Reexamination BROOKS, CYDNEY C.		
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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name .	Classification
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)						
	U	Hertzel et al. "Adenovirus-mediated gene transfer in primary murine adipocytes", J Lipid Res. Jul 2000; 41(7):1082-1086.						
	٧	Lemons et al., "Regulated secretion in platelets: identification of elements of the platelet exocytosis machinery" Blood. 15 Aug 1997; 90(4): 1490-1500.						
	w	Levine et al., "Binding of the vesicle docking protein p115 to Golgi membranes is inhibited under mitotic conditions" J Biol Chem. 19 Jul 1996; 271(29):17304-17311.						
	х	Meyer et al., "Gene therapy:progress and challenges" Cell Mol Biol. Dec 2001; 47(8):1277-1294.						

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Examiner	Art Unit		
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	S					
	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	,U	Nakajima et al., "A cytoskeleton-related gene, USO1, is required for intracellular protein transport in Saccharomyces cerevisiae" J Cell Biol. Apr 1991; 113(2):245-260.
	v	Nelson et al., "The membrane transport factor Tap/p115 cycles between the Golgi and earlier secretory compartments and contains distinct domains required for its localization and function" J Cell Biol. 19 Oct 1998 143(2):319-331.
	w	Richards-Smith et al., "Analyses of proteins involved in vesicular trafficking in platelets of mouse models of Hermansky Pudlak syndrome" Mol Genet Metab. Sep 1999; 68(1):14-23.
	х	Sapperstein et al., "p115 is a general vesicular transport factor related to the yeast endoplasmic reticulum to Golgi transport factor Uso1p" Proc Natl Acad Sci USA. 17 Jan 1995; 92(2):522-5 2 6.

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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name [*]	Classification
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Sohda et al., "Phosphorylation of the vesicle docking protein p115 regulates its association with the Golgi membrane" J Biol Chem. 27 Feb 1998; 273(9):5385-5388.
	V	Szolloal et al., "Application of fluorescence resonance energy transfer in the clinical laboratory: routine and research" Cytometry. 15 Aug 1998; 34(4):159-179.
	w	Sztul et al., "Control of protein traffic between distinct plasma membrane domains. Requirement for a novel 108,000 protein in the fusion of transcytotic vesicles with the apical plasma membrane" J Biol Chem. 25 Jan 1993; 268(3):1876-1885.
	х	Sztul et al., "Transcytotic vesicle fustion with plasma membrane" Methods in Enzymology. 1992; 219:4,51.

Application/Control No. 10/627,311	Reexamination	Applicant(s)/Patent Under Reexamination BROOKS, CYDNEY C.		
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U.S. PATENT DOCUMENTS

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification		
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FOREIGN PATENT DOCUMENTS

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	S					-
	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)						
	U	Tavare et al., "Lighting up insulin action" Diabet Med. Arp 2001; 18(4):253-260.						
	Ņ	Waters et al., "A novel 115-kD peripheral membrane protein is required for intercisternal transport in the Golgi stack" J Cell Biol. Sep 1992; 118(5):1015-1026.						
	w	Wattenberg et al.,"The molecular control of transport vesicle fusion" New Biol. Jun 1990; 2(6):505-511.						
	х	Wilson et al., "A fusion protein required for vesicle-mediated transport in both mammalian cells and yeast" Nature. 1 Jun 1989; 339(6223):355-359						

Application/Control No.	Applicant(s)/Patent Under Reexamination BROOKS, CYDNEY C.		
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U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
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	s					
	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	Wilson et al., " Intracellular membrane fusion" Trends Biochem Sci. Sep 1991; 16(9):334-337.
	V	Han et al., Genbank Accession No. AAC72967 for identification of Mouse TAP (Nov. 12, 1998).
	w	Misumi Y., Genbank Accession No. BAA25300 for Phosphorylation of the Vesicle (Mar. 17, 1999).
	х	Genome Sequencing Consortium. Genbank Accession No. NP_062252 for Direct Submission (Dec. 12, 2001).

Application/Control No.

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Applicant(s)/Patent Under
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	Т					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	υ	Alvarez et al. Genbank Accession No. NP_003706 for the p115-interactive proteins (Jan 8, 2001).
	>	Sapperstein et al. Genbank Accession No. P41541 for p115 us a general vesicular transport factor (Apr. 30, 2001).
	w	Sapperstein et al. Genbank Accession No. P41542 for p115 is a general vesibular transport factor (Apr. 30, 2001).
	x	